

What is claimed is:

1. (Previously Presented) A method of mapping color space with chromatic formulations, comprising the steps of:
 - 5 (a) selecting a limited number of chromatics for use with a bulk material using selection criteria;
 - (b) formulating the selected chromatics with white or black in the bulk material to generate a plurality of chromatic formulations, wherein such plurality of chromatic formulations populate a desirable volume of color space; and
 - 10 (c) computing additional chromatic formulations using algorithms reflecting the contributions of chromatics, white, and black to color, and incremental substitutions thereof.
2. (Previously Presented) The method of Claim 1, wherein the algorithms
15 comprise:
 - (i) predictions based on variation of black with white;
 - (ii) predictions based on variation of two different chromatics with white;
 - (iii) predictions based on variation of both black and chromatic with
20 white; and
 - (iv) predictions based on variation of two different chromatics with white.
3. (Previously Presented) The method of Claim 2, optionally including
25 (d) generating a database of chromatic formulations containing chromatic formulations for generated nodes, chromatic formulations for computed nodes, or both.
4. (Previously Presented) The method of Claim 3, optionally including
30 (e) matching spectral data curves from an actual or virtual object with one or more of the chromatic formulations stored in the database.
5. (Previously Presented) The method of Claim 4, optionally including

(f) communicating the results of spectral data curve matching to a person seeking to match color for the actual or virtual object, wherein the results comprises one or more choices.

5 6. (Previously Presented) The method of Claim 5, optionally including
 (g) receiving an instruction by a person to whom the results were
communicated in step (f) as to which choice of color match, if any, is selected.

 7. (Previously Presented) The method of Claim 6, optionally including
10 (h) ordering the chromatic formulation correlated to the color match selected
in step (g) to be prepared for use with a bulk material.

 8. (Previously Presented) The method of Claim 7, optionally including
 (i) mixing the selected chromatic formulation with another material
15 compatible with the bulk material for use with the bulk material to provide color for
the bulk material.

 9. (Currently Amended) A chromatic formulation computed according to
the method of Claim 1. ~~any of Claims 1-8.~~

20 10. (Previously Presented) A method of predicting chromatic formulations
in color space for a bulk material, comprising the steps of:

 (1) selecting chromatic formulations via empirical evidence to create
generated nodes in color space, and

25 (2) applying algorithms derived from such generated nodes to create computed
nodes of chromatic formulations in color space, wherein the algorithms comprise:

 (i) predictions based on variation of black with white;

 (ii) predictions based on variation of two different chromatics with
white;

30 (iii) predictions based on variation of both black and chromatic with
white; and

 (iv) predictions based on variation of two different chromatics with
white.

11. (Previously Presented) The method of Claim 10, wherein the predictions of step (2) result in actual chromatic formulations with virtual color space spectral data curves.

- 5 12. (Currently Amended) A computed node of a chromatic formulation in color space made according to the method of Claim 10. ~~either of Claims 10 or 11.~~